

# LAKE HAVASU CITY, ARIZONA

## CLASS SPECIFICATION

**CLASS TITLE: Fire Engineer**

BAND	GRADE	
F	22	
<b>DEPARTMENT:</b> Fire	<b>ACCOUNTABLE TO:</b> Fire Captain	<b>FLSA STATUS:</b> Non-Exempt
<b>CLASS SUMMARY:</b> Incumbents are responsible for pumping, maintaining and driving/operating fire equipment. Duties include: operating fire engines, ladder trucks and other specialized apparatus; regulating pump pressures; responding to rescue, hazardous materials, fire and medical emergencies; performing skilled work in patient assessment, treatment and transportation; responding to alarms with the fire fighting company; participating in continuous educational activities/classes; and, serving as an Emergency Medical Technician (EMT) or Paramedic.		
<b>DISTINGUISHING CHARACTERISTICS:</b> The Fire Engineer is the second level of a six level firefighter series. The Fire Engineer is distinguished from the Firefighter in that the Fire Engineer's primary responsibility is to operate and drive fire engines and other specialized apparatus. The Fire Engineer is distinguished from the Fire Captain in that the Fire Captain has full supervisory authority. Incumbents have limited authority, are required to perform shift work and act as Fire Captains in their absence.		

DUTY NO.	ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary. The job description does not constitute an employment agreement between the employee and the City and is subject to change as needs and job requirements change.)	FREQUENCY	
1.	a. Responds to fire alarms and performs firefighting duties such as laying and connecting hose, holding nozzles, directing water streams, ventilating buildings and raising and climbing ladders; or,  b. Drives and operates fire equipment to include: driving fire engines and ladder trucks, operating aerial ladders and regulating pump pressures; or,  c. Performs Cardio Pulmonary Resuscitation and first aid to include: assessing, treating and transporting patients; determines and initiates proper emergency procedures for life threatening injuries and illnesses.	Daily	
2.	Rescues individuals by removing persons from dangerous environments or protecting them from dangerous conditions.	Daily	

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3.	Performs general maintenance and repair duties to include: cleaning and maintaining the facility and the grounds and testing and performing maintenance and minor repairs on fire-fighting apparatus and equipment.	Daily	
4.	Responds to other emergency calls such as hazardous material, auto extrication, water rescue, confined space entry and high angle rescues.	Weekly	
5.	Participates in training classes in order to enhance firefighting, first aid and emergency response techniques.	Weekly	
6.	Performs salvage operations such as sweeping and pumping water, removing debris and performing general clean up.	Monthly	
7.	Performs other duties of a similar nature or level.	As Required	

#### **Knowledge** (position requirements at entry):

Knowledge of:

- Firefighter safety and survival techniques;
- Streets and physical layout of the city;
- Fire engines and ladder trucks;
- Fire behavior and building construction;
- Fire suppression techniques and strategies;
- Basic maintenance techniques;
- Basic and/or advanced life support techniques such as Cardio Pulmonary Resuscitation and patient assessment and treatment techniques.

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**Skills** (position requirements at entry):

Skill in:

- Driving and operating fire engines, ladder trucks and other specialized apparatus;
- Assessing and treating illnesses or injuries;
- Regulating pump pressures;
- Applying cardiopulmonary resuscitation and first aid methods and techniques;
- Performing fire suppression activities such as laying hose and directing water streams;
- Operating fire apparatus;
- Operating basic hand tools and power tools;
- Performing basic building and equipment maintenance and repair activities;
- Communication, interpersonal skills as applied to interaction with coworkers, supervisor, the general public, etc. sufficient to exchange or convey information and to receive work direction.

**Training and Experience** (position requirements at entry):

High School Diploma or General Equivalency Diploma (G.E.D.) and two years experience as a firefighter; or, an equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above. Completion of 10 college credit hours toward an Associates Degree in Fire Science is required. Emphasis on coursework in Fire Apparatus and Hydraulics is preferred. No more than four (4) credit hours on EMT or Paramedic may be used to satisfy this requirement.

**Licensing Requirements** (position requirements at entry):

Positions require:

- Incumbents to be 18 or older;
- Valid Arizona Driver's License;
- Possession of NFPA 1001 Firefighter I/II (Chapters 3 and 4) Certification issued by the Office of the Arizona State Fire Marshal, or other state or federal NFPA 1001 equivalent;
- Possession and maintenance of Arizona State Certification or National Registry Certification as an EMT or Paramedic and ability to maintain continuing education requirements at the minimum level established. Must obtain and maintain medical control issued by Havasu Regional Medical Center.

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### **Physical Requirements:**

Positions in this class typically require: climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, feeling, talking, hearing and seeing and repetitive motions.

Compliance with physical fitness program standards is required.

Incumbents may be subjected to moving mechanical parts, electrical currents, vibrations, fumes, odors, dusts, gases, poor ventilation, chemicals, oils, extreme temperatures, inadequate lighting, work space restrictions, intense noises and travel.

Very Heavy Work: Exerting in excess of 165 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

### **Classification History:**

Draft prepared by Fox Lawson and Associates LLC (clm )

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*Rev. 02/08*

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